

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

## REQUEST FOR FILING APPLICATION

Under Rule 53(a), (b) &amp; (f)

(No Filing Fee or Oath/Declaration)

(Do NOT use for Provisional or PCT Applications)

Use for Design or Utility Applications

PATENT  
APPLICATION

## RULE 53(f) NO DECLARATION

Assistant Commissioner of Patents  
and Trademarks  
Washington, DC 20231

Atty. Dkt.

PM 254782  
M#U3-9817-TS  
Client Ref

Date:

June 18, 1998

Sir:

1. This is a Request for filing a new Patent Application (☐ Design ☒ Utility) entitled:

2. (Complete) Title:

MULTILAYERED AIR-FUEL RATIO SENSOR

without a filing fee or Oath/Declaration but for which is enclosed the following:

3. ☒ Abstract 1 page(s).4. 16 Pages of Specification (only spec. and claims); 5. ☐ Specification in non-English language

6. 5 Numbered claim(s); and

7. ☒ 9 sheet(s) per set; ☐ 1 set informal; 8. ☒ formal of size: ☒ A4 ☐ 11"  
Drawings:9. **DOMESTIC/INTERNATIONAL** priority is claimed under 35 USC 119(e)/120/365(c) based on the following provisional, nonprovisional and/or PCT international application(s):

Application No.	Filing Date	Application No.	Filing Date
(1)		(2)	
(3)		(4)	
(5)		(6)	

10. **FOREIGN** priority is claimed under 35 USC 119(a)-(d)/365(b) based on filing in Japan

Application No.	Filing Date	Application No.	Filing Date
(1) 9/180735	19 June 1997	(2)	
(3)		(4)	
(5)		(6)	

11. 1 (No.) Certified copy (copies): ☒ attached; ☐ previously filed (date) \_\_\_\_\_  
in U.S. Application No. / filed on \_\_\_\_\_12. ☐ This is a reissue of Patent No. \_\_\_\_\_13. ☐ See top first page re prior Provisional, National, International application(s) (X box only if info is there and do not complete corresponding item 14 or 15.)14. ☐ **Amend the specification** by inserting before the first line -- This is a ☐ Continuation-in-Part  
☐ Divisional ☐ Continuation ☐ Substitute Application (MPEP 201.09) of:14(a) ☐ National Appln. No. / filed -- (M# )14(b) ☐ International Appln. No. PCT/ filed which designated the U.S. --15. ☐ **Amend the specification** by inserting before the first line: --This application claims the benefit of U.S. Provisional Application No. 60/ , filed --16. Extension to date: ☐ concurrently filed ☐ not needed ☐ previously filed

17. ☐ Prior application is assigned to

by Assignment recorded \_\_\_\_\_ Reel \_\_\_\_\_ Frame \_\_\_\_\_

18. ☒ Attached: Form PTO-1449 and copy of each cited reference.

19. This application is made by the following named inventor(s) (Double check instructions for accuracy.):

(1) Inventor	Tomio		SUGIYAMA
	First	Middle Initial	Family Name
Residence	Kariya-City	Japan	Japan
	City	State/Foreign Country	Country of Citizenship
Post Office Address	c/o DENSO Corporation, 1-1, Showa-Cho, Kariya-City Aichi-pref. Japan		
(include Zip Code)	448-0029		

(2) Inventor	Hiromi		SANO
	First	Middle Initial	Family Name
Residence	Kariya-City	Japan	Japan
	City	State/Foreign Country	Country of Citizenship
Post Office Address	c/o DENSO Corporation, 1-1, Showa-Cho, Kariya-City Aichi-pref. Japan		
(include Zip Code)	448-0029		

(3) Inventor	Masahiro		SHIBATA
	First	Middle Initial	Family Name
Residence	Kariya-City	Japan	Japan
	City	State/Foreign Country	Country of Citizenship
Post Office Address	c/o DENSO Corporation, 1-1, Showa-Cho, Kariya-City Aichi-pref. Japan		
(include Zip Code)	448-0029		

(4) Inventor	Syuichi		NAKANO
	First	Middle Initial	Family Name
Residence	Kariya City	Japan	Japan
	City	State/Foreign Country	Country of Citizenship
Post Office Address	c/o DENSO Corporation, 1-1, Showa-Cho, Kariya-City Aichi-pref. Japan		
(include Zip Code)	448-0029		

(5) Inventor			
	First	Middle Initial	Family Name
Residence			
	City	State/Foreign Country	Country of Citizenship
Post Office Address			
(include Zip Code)			

20. NOTE: FOR ADDITIONAL INVENTORS, check box ☐ and attach sheet with same information regarding additional inventors.

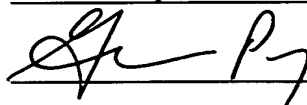
**Pillsbury Madison & Sutro LLP**  
Intellectual Property Group

1100 New York Avenue, N.W.  
Ninth Floor, East Tower  
Washington, D.C. 20005-3918  
Tel: (202) 861-3000  
Atty/Sec: GJP/vem

By: Atty: Glenn J. Perry

Reg. No. 28458

Sig:



Fax: (202) 822-0944  
Tel: (202) 861-3070

NOTE: File in duplicate with 2 post card receipts (PAT-103) & attachments